

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	<b>Atty. Docket No.</b> TEGI0011 <b>Applicant:</b> Ethan Bradford, et al. <b>Filing Date:</b> July 16, 2003	<b>Serial No.:</b> 10/621,864  <b>Group:</b> 2626 <b>Confirmation No:</b> 1754
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## U.S. Patent Documents

Examiner Initial	No.	Patent No.	Issue Date	Patentee	Class	Sub-class	Filing Date
	1	3,980,869	9/14/1976	Lombardino et al.			
	2	4,286,329	8/25/1981	Goertzel et al.			
	3	4,365,235	12/21/1982	Greanias, et al.			
	4	4,439,649	3/27/1984	Cecchi, Marino			
	5	4,454,592	6/12/1984	Cason, et al.			
	6	4,559,598	12/17/1985	Goldwasser, et al.			
	7	4,561,105	12/24/1985	Crane, et al.			
	8	4,573,196	2/25/1986	Crane, et al.			
	9	4,689,768	8/25/1987	Heard, et al.			
	10	4,725,694	2/16/1988	Auer, et al.			
	11	4,782,464	11/1/1988	Gray, et al.			
	12	4,783,758	11/8/1988	Kucera			
	13	4,783,761	11/8/1988	Gray, et al.			
	14	4,891,777	1/2/1990	Lapeyre			
	15	4,891,786	1/2/1990	Goldwasser			
	16	5,127,055	6/30/1992	Larkey			
	17	5,187,480	2/16/1993	Thomas et al.			
	18	5,224,179	6/29/1993	Denker et al.			
	19	5,317,507	5/31/1994	Gallant			
	20	5,457,454	10/10/1995	Sugano, Jin			
	21	5,462,711	10/31/1995	Ricottone, Jacqueline L.			
	22	5,533,147	7/2/1996	Arai et al.			
	23	5,583,946	12/10/1996	Gourdol			
	24	5,586,198	12/17/1996	Lakritz, David			
	25	5,612,690	3/18/1997	Levy			
	26	5,649,223	7/15/1997	Freeman, Alfred B.			
	27	5,664,896	9/9/1997	Blumberg, Marvin R.			
	28	5,734,750	3/31/1998	Arai et al.			
	29	5,745,719	4/28/1998	Falcon			
	30	5,748,512	5/5/1998	Vargas, Garrett R.			
	31	5,754,686	5/19/1998	Harada et al.			
	32	5,784,008	7/21/1998	Raguseo			
	33	5,796,867	8/18/1998	Chen et al.			
	34	5,798,760	8/25/1998	Vayda et al.			
	35	5,812,696	9/22/1998	Arai et al.			
	36	5,812,697	9/22/1998	Sakai et al.			
	37	5,818,437	10/6/1998	Grover, et al.			
	38	5,870,492	2/9/1999	Shimizu et al.			
	39	5,896,321	4/20/1999	Miller et al.			
	40	5,917,476	6/29/1999	Czerniecki			
	41	5,923,793	7/13/1999	Ikebata			
	42	5,926,566	7/20/1999	Wang et al.			

	43	5,928,588	7/27/1999	Nada, et al.			
	44	5,933,526	8/3/1999	Sklarew, Ralph			
	45	5,953,541	9/14/1999	King et al.			
	46	5,963,671	10/5/1999	Cornford et al.			
	47	5,973,676	10/26/1999	Kawakura			
	48	6,002,799	12/14/1999	Sklarew			
	49	6,011,554	1/4/2000	King et al.			
	50	6,028,959	2/22/2000	Wang et al.			
	51	6,041,137	3/21/2000	Van Kleeck			
	52	6,044,165	3/28/2000	Perona, et al.			
	53	6,075,469	6/13/2000	Pong			
	54	6,094,197	7/25/2000	Buxton, et al.			
	55	6,104,384	8/1/2000	Moon, et al.			
	56	6,130,962	10/10/2000	Sakurai			
	57	6,144,764	11/7/2000	Yamakawa et al.			
	58	6,148,104	11/14/2000	Wang et al.			
	59	6,157,379	12/5/2000	Singh			
	60	6,172,625	1/9/2001	Jin et al.			
	61	6,212,297	4/3/2001	Sklarew			
	62	6,275,611	8/14/2001	Parthasarathy			
	63	6,278,445	8/21/2001	Tanaka et			
	64	6,437,709	8/20/2002	Hao			
	65	6,448,987	9/10/2002	Easty et al.			
	66	6,453,079	9/17/2002	McInerny, Michael J.			
	67	6,489,951	12/3/2002	Wong, et al.			
	68	6,493,464	12/10/2002	Hawkins et al.			
	69	6,549,219	4/15/2003	Selker, Edwin J.			
	70	6,567,072	5/20/2003	Watanabe, Mitsuhiro			
	71	6,585,162	7/1/2003	Sandbach, et al.			
	72	6,616,703	9/9/2003	Nakagawa			
	73	6,654,733	11/25/2003	Goodman et al.			
	74	6,686,907	2/3/2004	Su et al.			
	75	6,765,554	7/20/2004	Millington, Jeffrey Alan			
	76	6,956,968	10/18/2005	O'Dell et al.			
	77	6,970,599	11/29/2005	Longe et al.			
	78	6,990,534	1/24/2006	Mikhailov, et al.			
	79	7,088,861	8/8/2006	Van Meurs, Pim			
	80	7,151,533 B2	12/19/2006	Van Ieperen			

## Published U.S. Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation	
							Yes	No
	81	2001/0048425	12/6/2001	Partridge, Gary				
	82	2003/0144830	7/31/2003	Williams				
	83	2002/0168107	11/14/2002	Tang et al.				
	84	2002/0163544	11/7/2002	Baker et al.				
	85	2002/0093491	7/18/2002	Allen et al.				
	86	2003/0184451	10/2/2003	Li, Xin-Tian				
	87	2003/0006956	1/9/2003	Wu et al.				
	88	2004/0243389	12/2/2004	Thomas et al.				

	89	2006/0062461	3/23/2006	Longe et al.				
	90	2002/0122072	9/5/2002	Selker, Edwin J.				
	91	2002/0145587	10/10/2002	Watanabe, Mitsuhiro				
	92	2002/0135561	9/26/2002	Rojewski, Erwin				
	93	2003/0048257	3/13/2003	Mattila, Sami P.				

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation	
							Yes	No
	94	EP 1018679	12/20/1999	Nokia Mobile Phones, Ltd.				
	95	FR 2824979	11/22/2002	SAGEM SA Societe				
	96	DE 3401942	11/15/1984	The Laitram Corp.				
	97	KR 20020004419	1/16/2002	Lee, et al.				
	98	JP 57010832	1/20/1982	Sony Corp.				
	99	EP 1085401	3/21/2001	Nokia Mobile Phones, Ltd.				
	100	EP 0114250	11/28/1983	Communication Intelligence Corp.				
	101	EP 0739521	5/23/1996	Motorola, Inc.				
	102	EP 0762265	3/12/1997	Canon Kabushiki Kaisha				
	103	EP 0961208	12/1/1999	Sharp Kaushiki Kaisha				
	104	CN 1116335A	2/7/1996	Beijing Zhenzhong Electronic Group				
	105	EP 1355225	10/22/2003	Ericson Telefon				
	106	CN 1190205A	8/12/1998	Synaptics Inc.				
	107	JP1996-305701	11/22/1996	Zirian Dev. Ltd.				
	108	JP1995-146918	6/6/1995	Hitachi Ltd.				
	109	CN 1606753	4/13/2005	America Online Incorporated				
	110	WO 0074240	12/7/2000	America Online Incorporated				
	111	JPA 2003-500771	1/7/2003	Motorola, Inc.				

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	A	AMIN, A., et al., "Recognition of Hand-printed Chinese Characters Using Decision Trees/Machine Learning of C4.5 System," 1998, Pattern Analysis and Applications, pp. 130-141, Vol. 1, Issue 2.
	B	CHEN, Ju-Wei, et al., "A Hierarchical Representation for the Reference Database of On-Line Chinese Character Recognition," August 20-23, 1996, INSPEC Abstract No.: C9702-1250B-021.
	C	CHENG, Rei-Heng, et al., "Recognition of Radicals in Handwritten Chinese Characters By Means of Problem Reduction and Knowledge Guidance," September 1996, International Journal of Pattern Recognition and Artificial Intelligence, INSPEC Abstract No.: C9706-5260B-280.

D	CHOU, Kuo-Sen, et al., "Radical-Based Neighboring Segment Matching for On-Line Chinese Character Recognition," August 25-26, 1996, Proceedings of the 13 <sup>th</sup> International Conference on Pattern Recognition; INSPEC Abstract No.: B9701-6140C-682, C9701-1250B-019.
E	CHOU, Kuo-Sen, et al., "Radical-Based Neighboring Segment Matching for On-Line Chinese Character Recognition"; April 1997, Computer Processing of Oriental Languages, INSPEC Abstract No.: B9701-6140C-682, C9701-1250B-019.
F	CONNELL, S., et al., "Template-based Online Character Recognition"; August 10, 1999; Department of Computer Science and Engineering, Michigan State University, East Lansing, Michigan.
G	FAN, Fang, et al., "An On-Line Handwritten Chinese Character Recognition System", January 26-27 2000, Proceedings of the SPIE – The International Society for Optical Engineering, INSPEC Abstract No.: C2000-12-5260B-085.
H	HUNG, Kwok-Wah, et al., "Boxing Code for Stroke-Order Free Handprinted Chinese Characters Recognition"; October 8-11 2000, Proceedings of IEEE International Conference on Systems, Man, Cybernetics, INSPEC Abstract No.: C2001-01-5260B-087.
I	KIM, Ki-Cheol, et al., "On-Line Recognition of Stroke-Order Free Cursive Chinese Characters with Relaxation Matching", March 1995; Journal of the Korea Information Science Society, INSPEC Abstract No.: C9507-1250B-022.
J	LI, Xiaolin, et al., "On-Line Handwritten Alphanumeric Character Recognition Using Feature Sequences", 1995; Department of Computer Science, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong.
K	LIN, Chang-Keng, et al., "Stroke-Order Independent On-Line of Handwritten Chinese Characters"; November 8-10, 1989, Proceedings of the SPIE – The International Society for Optical Engineering, INSPEC Abstract No.: C90031813.
L	LIU, J.Z., et al., "Two-layer Assignment Method for Online Chinese Character Recognition", February 2000, IEEE Proceedings-Vision, Image and Signal Processing, INSPEC Abstract No.: C2000-06-1250B-004.
M	LIU, Jianhuang, et al., "Stroke Order and Stroke Number Free On-Line Chinese Character Recognition Using Attributed Relational Graph Matching", August 25-29, 1996 Proceedings of the 13 <sup>th</sup> International Conference on Pattern Recognition, INSPEC Abstract No.: C9701-1250B-035.
N	NAITO, S., et al., "Rough Classification for Handprinted Chinese Characters by Stroke Density"; August 1981; Transactions of the Institute of Electronics and Communication Engineers of Japan, INSPEC Abstract No.: C82009693.
O	NAMBU, H., et al., "On-Line Chinese Handwriting Character Recognition: Comparison with Japanese Kanji Recognition and Improvement of Input Efficiency", August 1999; Transactions of the Information Processing Society of Japan, INSPEC Abstract No.: B2000-01-6135E-035, C2000-01-5260B-099.
P	ODAKA, K., et al., "Stroke Order Free On-Line Handwritten Character Recognition of Algorithm", June 1982, Transactions of the Institute of Electronics and Communication Engineers of Japan, Section E, INSPEC Abstract No.: C82041007.
Q	PAN, Bao-Chang, et al., "Recognition of Handprinted Chinese Characters by Stroke Order Codes", August 29 – Sept 1, 1988, International Conference on Computer Processing of Chinese and Oriental Languages, INSPEC Abstract No.: C89024386.
R	PARK, Hee-Seon, et al., "An On-line Recognition System for Cursive Chinese Characters with Effective Coarse Classification and Elastic Matching", Sept. 1993, Journal of the Korea Information Science Society, INSPEC Abstract No.: C9404-1250B-001.
S	ROMERO, R., et al., "Optical Chinese Character Recognition using Probabilistic Neural Networks", July 1996; Imaging Systems Lab, Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, pp. 1-18.
T	SENI, G., et al., "Large Vocabulary Recognition of On-Line Handwritten Cursive Words", June 1996; presented at IEEE Transactions on Pattern Analysis and Machine Intelligence
U	SHIN, J., "Online Handwriting Character Analysis Using Stroke Correspondence Search," September 2001, Journal of Shanghai University, Aizu University, Fukushima, Japan, INSPEC Abstract No.: C2001-11-1250B-012.

V	SRIHARI, S., et al., "Cherry Blossom: A System for Japanese Character Recognition," 1997; Center for Excellence for Document Analysis and Recognition, State University of New York at Buffalo, Buffalo, NY.
W	STOCKTON, R. et al., "JKanji: Wavelet-based Interactive Kanji Competition," September 3-7 2000, Proceedings of the 15 <sup>th</sup> International Conference on Pattern Recognition.
X	"Quick Stroke Information," Synaptics, retrieved on Nov. 18, 2006 from website: <a href="http://www.synaptics.com/products/quickstroke_faq.cfm">www.synaptics.com/products/quickstroke_faq.cfm</a> and <a href="http://www.synaptics.com/products/quickstroke.cfm">www.synaptics.com/products/quickstroke.cfm</a> .
Y	VUURPIJL, L. et al., "Coarse Writing-Style Clustering Based on Simple Stroke-Related Features," 1997; Institute for Cognition and Information, University of Nijmegen, Nijmegen, The Netherlands.
Z	ZHENG, Jing, et al., "Recognizing On-Line Handwritten Chinese Character Via FARG Matching," August 18-20, 1997, Proceedings of the Fourth International Conference on Document Analysis and Recognition, INSPEC Abstract No.: B9711-6140C-162, C971-5260B-123.
A1	Shumin Zhai and Per-Ola Kristensson, <i>Shorthand Writing on Stylus Keyboard</i> , April 5-10, 2003, CHI 2003, 5(1): 97-104, 2003.
B1	Jennifer Mankoff and Gregory D. Abowd, <i>Error Correction Techniques for Handwriting, Speech and other Ambiguous or Error Prone Systems</i> , June 1999; GVU TechReport, GIT-GVU-99-18
C1	Jennifer Mankoff and Gregory D. Abowd, <i>Cirrin: A Word-Level Unistroke Keyboard for Pen Input</i> , Nov. 1-4, 1998; Proceedings of UIST 1998, Technical note. pp.213-214
D1	K. Perlin, <i>Quikwriting: Continuous Stylus-Based Text Entry</i> , Nov. 1-4, 1998 presented at ACM UIST'98 Conference, pp. 215-216
E1	M. Garrett, D. Ward, I. Murray, P. Cowans, and D. Mackay, <i>Implementation of Dasher, an Information Efficient Input Mechanism</i> ; July 11, 2003; presented at LINUX 2003 Conference, Edinburgh, Scotland
F1	P. Isokoski and R. Raisamo, <i>Device Independent Text Input: A Rationale and an Example</i> ; May 23-26, 2000; Proceedings of the Working Conference on Advanced Visual Interfaces AVI2000, pages 76-83, Palermo, Italy, 2000
G1	P. Isokoski, <i>Text Input Methods for Eye Trackers Using Off-Screen Targets</i> ; Nov. 6-8, 2000; In Proceedings of <i>Eye Tracking Research &amp; Applications Symposium 2000</i> , pages 15-21. ACM, 2000
H1	P. Isokoski, <i>Model for Unistroke Writing Time</i> ; Mar. 31- April 5, 2001; CHI Letters: Human Factors in Computing Systems, SIGCHI 2001, 3(1):357 -- 364, 2001
I1	P. Isokoski and M. Kaki. <i>Comparison of Two Touchpad-Based Methods for Numeric Entry</i> ; Apr. 20-25, 2002; CHI Letters: Human Factors in Computing Systems, CHI 2002, 4(1): 25-32, 2002
J1	P. Isokoski and I. Scott MacKenzie, <i>Text Entry on Mobile Systems: Directions for the Future</i> ; March 31 - April 5, 2001; CHI 2001 Extended Abstracts, page 495
K1	P. Isokoski and I. S. MacKenzie, <i>Report on the CHI2001 Workshop on Text Entry on Mobile Systems</i> ; September/October 2001; SIGCHI Bulletin, p. 14
L1	P. Isokoski and I. S. MacKenzie. <i>Combined Model for Text Entry Rate Development</i> ; April 5 - 10, 2003; CHI2003 Extended Abstracts, pp. 752-753
M1	P. Isokoski and R. Raisamo, <i>Architecture for Personal Text Entry Methods</i> ; 2003; In <i>Closing the Gap: Software Engineering and Human-Computer Interaction</i> , pp. 1-8. IFIP
N1	<i>Handbook for the Palm V™ Organizer</i> ; 1998-1999; Palm Computing, Inc., Santa Clara, CA

/Lamont Spooner/

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Date \_\_\_\_\_

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.